

## CA 2441 Antenna Amplifier



### DESCRIPTION

The CA 2441 antenna amplifier is used as a signal amplifier for the MCW-D 100 / 200 conference systems.

Due to local conditions the following values are only recommendations:

For the **CA 2430** cable (Ecoflex 10) one **CA 2441 RT** antenna amplifier is recommended, if the cable is longer than 25 m (CA 2441 RT is mounted to the antenna).

For the **CA 2420** cable (Aircell 7) one **CA 2441 RT** antenna amplifier is recommended, if the cable is longer than 15 m (CA 2441 RT is mounted to the antenna).

These recommendations are only valid, when the distance between microphone units and transmitting/receiving antennae does not exceed 15 m.

### VERSIONS

CA 2441 RT	Antenna pre-amp, (Receive + Transmit), 2.4 GHz for transmitting and receiving, max. 6 dBm, (12 dB gain), remote supply 5V via antenna cable . . . . . Order # 470.309
CA 2441 T	Antenna amplifier, (Transmit), 2.4 GHz only for transmitting, max. 20 dBm (9 dB gain), remote supply 5V via antenna cable . . . . . Order # 470.317

### TECHNICAL SPECIFICATIONS

#### CA 2441 RT Antenna Amplifier

Frequency range . . . . . 2.4 - 2.485 GHz; embedded filter against GSM phones  
Max. input level . . . . . 6 dBm  
Gain . . . . . 10 dB  
Current consumption . . . . . approx. 140 mA  
Supply voltage . . . . . 5 V DC, powered by MCW-D 100/200  
supply from input or output port  
Connection . . . . . 2 x N female; incl. adapter male/male

#### CA 2441 T Antenna Amplifier

Frequency range . . . . . 2.4 - 2.485 GHz; embedded filter against GSM phones  
Max. input level . . . . . 16 dBm  
Max. output level . . . . . 23 dBm = 200 mW  
Gain . . . . . 8 dB  
Current consumption . . . . . approx. 340 mA  
Supply voltage . . . . . 5 V DC, powered by MCW-D 100/200  
supply from input or output port  
Connection . . . . . N female; incl. adapter male/male  
Dimensions . . . . . Diameter: 26 mm  
Length: 100 mm  
Weight . . . . . 166 g

#### Germany

Theresienstr. 8  
D-74072 Heilbronn  
Tel. +49 (0)71 31 / 6 17-0  
Fax +49 (0)71 31 / 617-224  
E-mail: info@beyerdynamic.de  
Internet: www.beyerdynamic.de

#### United States

56 Central Ave.  
Farmingdale, NY 11735  
Tel. +1 (631) 293-3200  
Fax +1 (631) 293-3288  
E-mail: salesUSA@beyerdynamic-usa.com  
Internet: www.beyerdynamic-usa.com

#### Great Britain

17 Albert Drive  
Burgess Hill RH15 9TN  
Tel. +44 (0)1444 / 258 258  
Fax +44 (0)1444 / 258 444  
E-mail: sales@beyerdynamic.co.uk  
Internet: www.beyerdynamic.co.uk

# MOUNTING

